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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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IN RE	APPLICA	ATION (OF: KIMBLE DONG	EXAMINER:		
APPLI	CATION	No.:		ART UNIT:		
FILED	:		HEREWITH	Conf. No:		
For:	ON-CH IMAGIN		AD PIXEL CORRECTION IN A CMOS SOR			
	<u> </u>		mation Disclosure Statement Wi ation Filing or Before First Actio			
P.O.	Box 14	50	Patents 313-1450			
Sir:						
1.	<u>Timin</u>	g of S	ubmission			
	This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits whichever occurs last [37 C.F.R. § 1.97(b)]. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application					
2.	Cited	Inform	nation			
		Copi	es of the following references are	enclosed:		
			All cited references References marked by asterisks The following:	3		
	Copies of the following references can be found in parent U.S. Apple No. 09/082,355:					
			All cited references References marked by asterisks The following:	;		

		unde a cor Autho be ar for th the tr accur	following references are not in English. For each such reference, the resigned has enclosed (i) a translation of the reference; (ii) a copy of immunication from a foreign patent office or International Searching pority citing the reference, (iii) a copy of a reference which appears to in English-language counterpart, or (iv) an English-language abstract the reference prepared by a third party. Applicant has not verified that translation, English-language counterpart or third-party abstract is an orate representation of the teachings of the non-English reference, igh, and reserves the right to demonstrate otherwise.
			All cited references References marked by ampersands The following:
3.	Effec	t of Info	ormation Disclosure Statement (37 C.F.R. § 1.97(h))
	that: exam resul cited appli art to	(i) a nination ts and inform cant do the su	ation Disclosure Statement is not to be construed as a representation search has been made; (ii) additional information material to the of this application does not exist; (iii) the information, protocols, the like reported by third parties are accurate or enabling; or (iv) the ation is, or is considered to be, material to patentability. In addition, sees not admit that any enclosed item of information constitutes prior bject invention and specifically reserves the right to demonstrate that ference is not prior art.
4.	Fee I	Paymer	<u>nt</u>
			e believed due because this Information Disclosure Statement is before the mailing date of the first Office Action.
			cant further submits that no fee is due in light of the following ication under 37 C.F.R. § 1.97(e) (check only one):
			In accordance with 37 C.F.R. § 1.97(e)(1), the undersigned hereby states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
			In accordance with 37 C.F.R. § 1.97(e)(2), the undersigned hereby states that no item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of this statement.

However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-0665.

5. Patent Term Adjustment (37 C.F.R. § 1.704(d))

The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Date: /0//4/

Respectfully submitted, Perkins Coie LLP

Chun M. Ng

Registration No. 36,878

Correspondence Address:

Customer No. 25096 Perkins Coie LLP P.O. Box 1247 Seattle, Washington 98111-1247 (206) 583-8888

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Form PTO-1449 (Modified)

of

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COMPLETE IF KNOWN				
Application Number				
Confirmation Number				
Filing Date				
First Named Inventor	Kimble Dong			
Group Art Unit				
Examiner Name				
Attorney Docket No.	38493-8006US1			

(Use several sheets if necessary)

Sheet

					U.S	S. PATENT DOCUMENTS			
Examiner Initials*	Cite No.		S. Patent or Ap	plication Kind Code (if known)		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines Where Relevant Passages Relevant Figures Appea	s or
		4,51	13,312		Та	ıkemura	04/1985		
		4,54	12,409		O	chi	09/1985		
		4,65	52,911		Те	eranishi et al.	03/1987		
•		4,68	36,373		Тє	ew et al.	08/1987		
		4,80	05,023		Yo	ounse et al.	02/1989		
•		4,93	39,573		Тє	eranishi et al.	07/1990		
-		4,92	20,428		Lir	n et al.	04/1990		
		5,04	17,861		Н	ouchin et al.	09/1991		
•		5,28	32,025		Sa	ato	01/1994		
•		5,34	15,266		De	enyer	09/1994		
•		5,39	92,070		Er	ndo et al.	02/1995		
-		5,43	36,659		Vii	ncent	07/1995		
		5,47	71,515		Fossum et al. Compton		11/1995 03/1996		
~		5,49	99,114						
		5,78	31,233		Lia	ang et al.	03/1996		
		5,79	96,430		Katoh et al.		01/1997		
		6,34	10,989		00	da	02/1998		
**		6,39	96,539		He	eller et al.	02/1998		
		US2	002/00307	753	Kr	amer et al.	03/14/02		
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Examiner	Cite	For	eign Patent or A	Application Kind Co	yde	Name of Patentee or Applicant	Date of Publication or Filing Date of Cited	Pages, Columns, Lines, Where Relevant Passages or Relevant	
Initials*	No.	Office	NUMBER	(if know		of Cited Document	Document	Figures Appear	Т
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DATE CONSIDERED

Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to application(s).

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Examiner Name				
Attorney Docket No.	38493-8006US1			

Sheet 2 of 3

FOREIGN PATENT DOCUMENTS								
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Initials*	No.	Office	NUMBER	(if known)	of Cited Document	Document	Figures Appear	T
	<u> </u>		OTUED.	DDIOD ADT	NON BATENT LITERATURE	COUNTRIES		<u> </u>
					NON PATENT LITERATURE IN CAPITAL LETTERS), title of the article		title of the item	Τ
Examiner Initials*	Cite No.				symposium, catalog, etc.), date, page(s), and/or country where published.			т
				•	ical Sensors Improve Their anuary 1989, pp. 36-42.	Image," <i>ESD:</i>	The Electronic	
٠			Optical Se		nt CMOS Imaging," <i>Charge</i> IE Proceedings, San Jose,	•		
•		and S	E. R. Fossum, "Active Pixel Sensors: Are CCD's Dinosaurs?" Charge-Coupled Devices and Solid State Optical Sensors III -SPIE Proceedings, San Jose, California, February 1993, pp. 2-14.					
		i e	R. M. Hodgson, "Charge Transfer Devices and Their Application," <i>New Zealand Engineering</i> , Vol. 34, No. 11, November 15, 1979, pp. 246-249.					
	ï		T. Imaide et al., "Single-Chip Color Cameras with Reduced Aliasing," <i>Journal of Imaging Technology,</i> Vol. 12, No. 5, October 1986, pp. 258-260.					
		H. Kawashima et al., "A 1/4 Inch Format 250K Pixel Amplified MOS Image Sensor Using CMOS Process," <i>IEDM Technical Digest,</i> December 5-8, 1993, pp. 575-578.						
		S. K. Mendis et al., "Progress in CMOS Active Pixel Image Sensors," <i>Charge-Coupled Devices and Solid State Optical Sensors IV -</i> SPIE Proceedings, San Jose, California, February 1994, pp. 19-29.						
		R. H. Nixon et al., "128X128 CMOS Photodiode-Type Active Pixel Sensor with On-Chip Timing, Control and Signal Chain Electronics," <i>Charge-Coupled Devices and Solid State Optical Sensors V</i> -SPIE Proceedings, San Jose, California, February 1995, pp. 117-123.						
		M. Onga et al., "New Signal-Processing LSIs for the 8mm Camcorder," <i>IEEE Transactions on Consumer Electronics</i> , Vol. 36, No. 3, August 1990, pp. 494-501.						

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		OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	т
		T. Ozaki et al., "Low-Noise Line-Amplified MOS Imaging Devices," <i>IEEE Transactions on Electron Devices,</i> Vol. 38, No. 5, May 1991, pp. 969-975.	
		K. A. Parulski, "Color Filters and Processing Alternatives for One-Chip Cameras," <i>IEEE Transactions on Electron Devices,</i> Vol. ED-32, No. 8, August 1985, pp. 1381-1389.	
		S. Tsuruta et al., "Color Pixel Arrangement Evaluation for LC-TV," Conference Record of the 1985 International Display Research Conference, San Diego, California, October 1985, pp. 24-26.	
		T. Watanabe et al., "A CCD Color Signal Separation IC for Single-Chip Color Imagers," <i>IEEE Journal of Solid-State Circuits,</i> Vol. SC-19, No. 1, February 1984, pp. 49-54.	
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